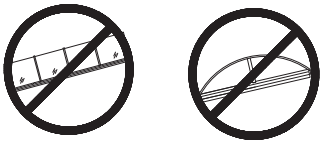
Since 1935
Wasco®
SKYLIGHTS



UNITS MUST NOT BE
INSTALLED ON A SLOPED ROOF

Revision E
Date: 04/07/15

SAFETY CONSIDERATIONS: WASCO SKYLIGHTS ARE DESIGNED TO WITHSTAND NORMAL ELEMENTS OF THE WEATHER. THEY ARE NOT DESIGNED TO WITHSTAND HUMAN IMPACT OR FALLING OBJECTS. THESE SKYLIGHTS SHOULD NOT BE WALKED UPON UNDER ANY CIRCUMSTANCES. THE OWNER OR DESIGNER SHOULD RESTRICT ACCESS ONLY TO AUTHORIZED PERSONNEL WHO HAVE BEEN ADEQUATELY CAUTIONED AS TO THE LOCATION OF THE SKYLIGHTS AND INFORMED OF THE WARNING ABOVE, OR SAID OWNER SHOULD PROVIDE PROTECTIVE GUARD RAILS OR SCREENS AROUND THE SKYLIGHT.

INSTALLATION INSTRUCTIONS FOR WASCO MODEL: BV, BVV & SBV UNITS "KNOCKED DOWN W/ENDS ASSEMBLED"

Note: Prior to starting Installation, check unit/parts for damage. Please read entire Installation Instructions & review the file & field drawings in order to familiarize yourself with specific jobsite conditions.

NOTE: URETHANE IS TO BE USED ON ACRYLIC GLAZED UNITS – SILICONE IS TO BE USED ON ALL POLYCARBONATE GLAZED UNITS. DO NOT USE URETHANE ON POLYCARBONATE MATERIALS.

1.0 – Scope (General Information)

These Installation Instructions cover the field installation of Wasco Products Models: BV (Formed Ends), BVV (Vertical Ends) & SBV (Structural Vaulted) units that are shipped: Knocked down & unglazed (ends assembled). These Installation Instructions are to be used in conjunction with the file & field drawings exclusively for the units on this project. Please refer to file & field drawings for unit dimensions, & specific field conditions.

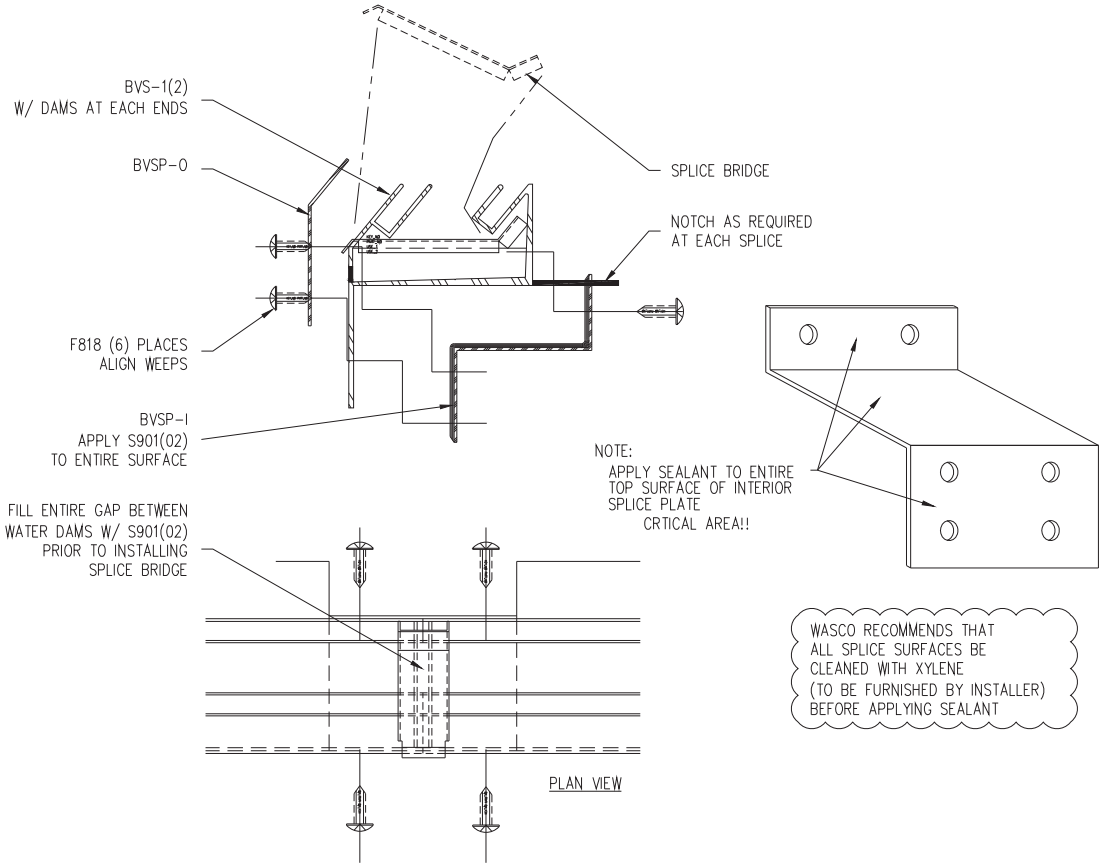
2.0 – Installation Steps & Preview Drawings.

Step 1 –
Before Starting Installation of the unit(s), ensure that the minimum 3 ½" width building curb has been properly prepared to receive the unit. Curb must be Straight, Level, Square, & Plumb. Place a generous amount of sealant (compatible with roofing material).
Start at one end & work toward the other end. Position Frame squarely & evenly to the roof curb. Refer to Wasco section details for proper dimensions.

Step 2 –
Layout sills before setting on curb. Each sill will be marked with an "E" or a "C" on each end. The "E"s will mate with the end assemblies while a "C" denotes a center section. Be sure each sill faces a sill of identical length and hole pattern. This is a critical step.

DO NOT SECURE TO CURB UNTIL YOU HAVE GONE THRU STEPS 3 thru 6

Step 3 –
For knocked down units requiring splice plates, apply sealant to entire inside surface of interior splice plate. Center the splice plate at sill butt joint so as to ensure fastener holes line up. Fasten interior splice plates to inside sill w/#10 x 5/8" sheet metal screws. Apply sealant at joint between welded dams, install Bridge Splice Clip. Attach exterior splice plate after installation of glazing material.



DO NOT APPLY SEALANT TO EXTERIOR SPLICE PLATE

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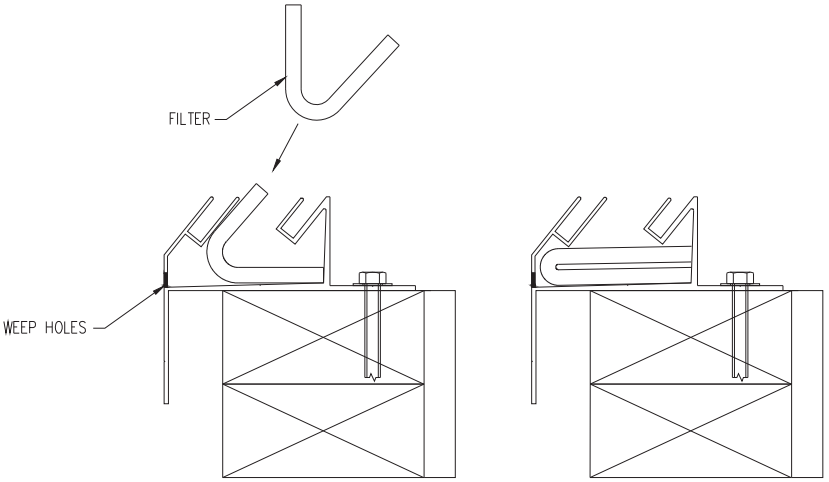
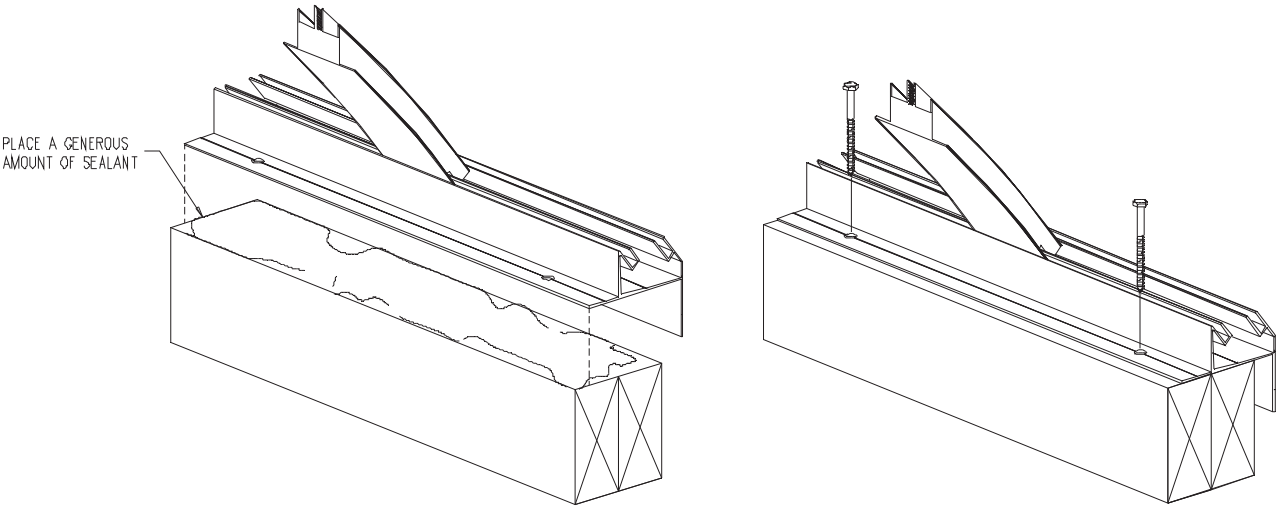
Step 4 –
Fold filter & insert into sill gutter at each rib location & at each weep hole. Ensure that the filter is flush with the underside of the extrusion. (see image below)



Step 5 –
Place a generous amount of sealant – compatible with roofing materials (by installer) to top of roof curb. Fasten frame securely to roof curb thru each pre-drilled hole with 3/8” diameter anchors (Furnished by Installer).



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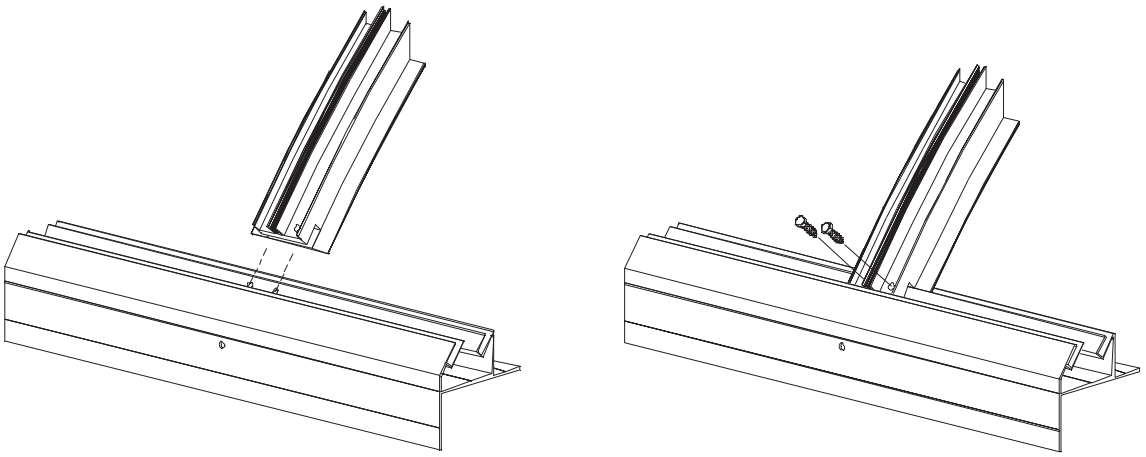
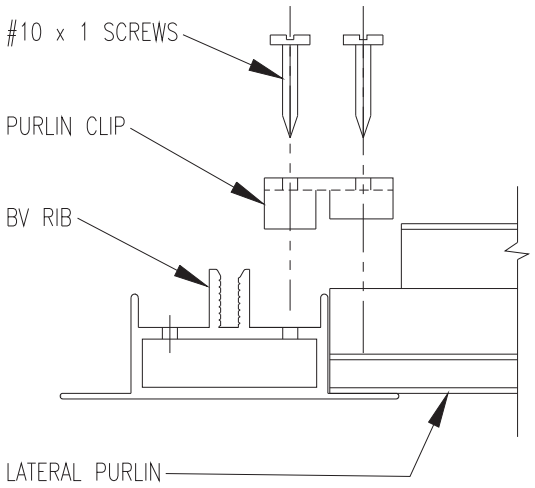
Step 6 –
Place intermediate rib slot over the frame as shown in the illustrations below. Secure rib to sill with ¼-14 x 1” long screws thru pre-drilled holes. (Two fasteners per each end of rib – use 3/8” socket) Note: Use of wax lubricant will aid in installing screws.



Step 7
If model has a lateral purlin, secure to rib tubes with lateral purlin clip. Fasten clip to purlin tube & rib tube with #10 x 1” sheet metal screws. Note: Use of wax lubricant will aid in installing screws.



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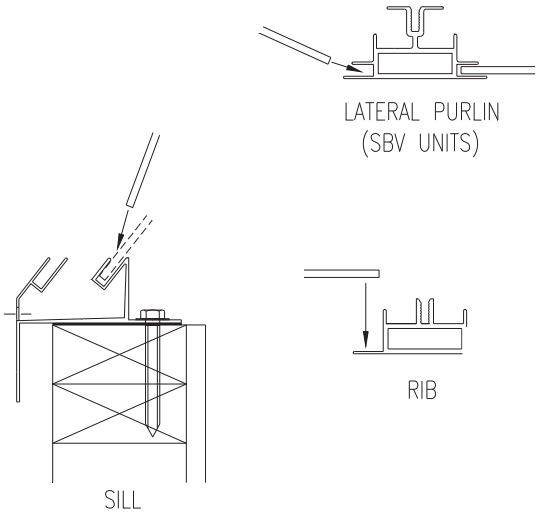
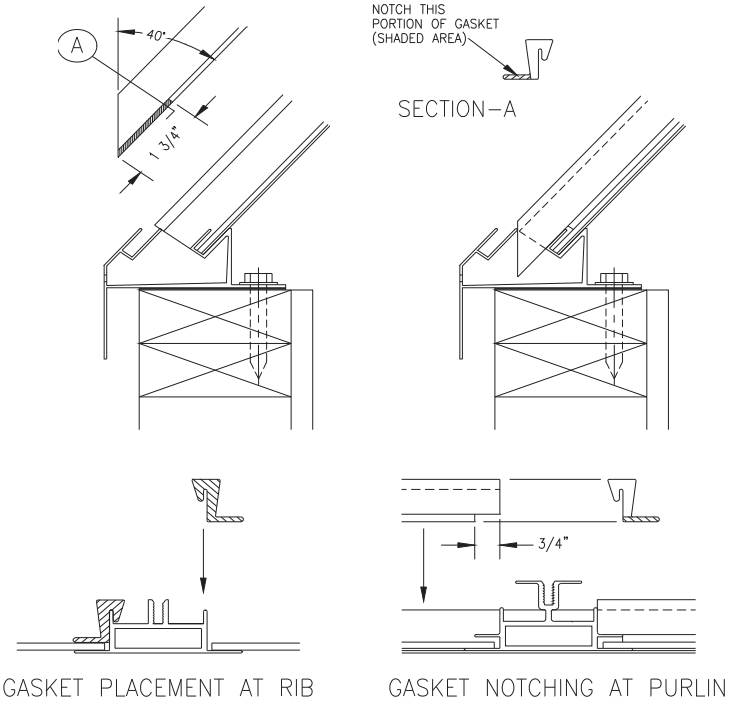
Step 8 – IF UNIT HAS NO INNER GLAZING, PROCEED TO STEP 9
Place inner glazing into the inner glazing slot in lateral purlin. Bend down glazing over rib & engage into inner glazing slot in sill. Bend glazing down over rib & engage into inner glazing slot on opposite side. Inner glazing should rest on rib flange as shown below.



Step 9 –
Install rib divider gasket onto fins on either side of ribs & notch sill end & lateral purlin (if req'd). See image below.



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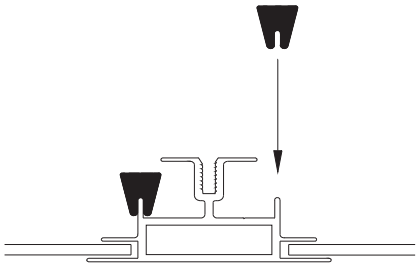
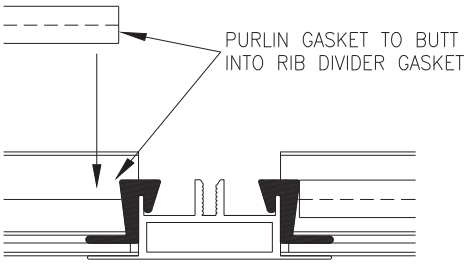
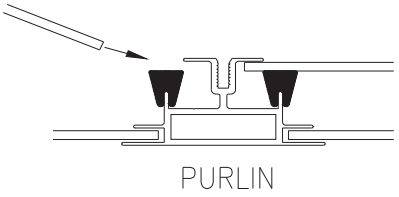
Step 10 –
Install purlin gasket into fins on either side of lateral purlin. Purlin gasket to butt into rib divider gaskets.

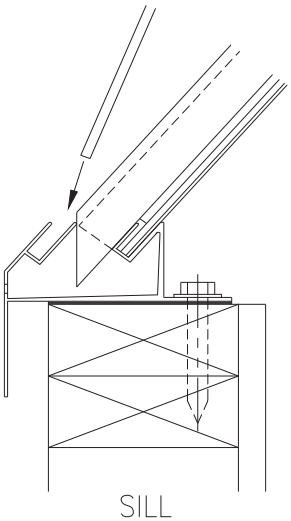


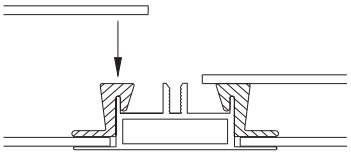


GASKET PLACEMENT AT PURLIN

Step 11 –
Place outer glazing into the outer glazing slot at lateral purlin. Bend down glazing over rib & engage into outer glazing slot on opposite side. Outer glazing should rest on top of rib divider gasket. See image below.







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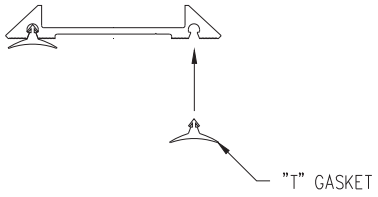
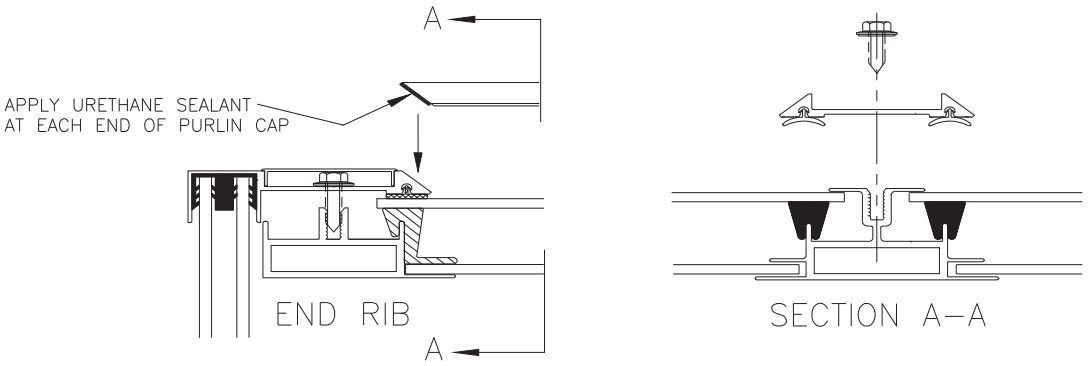
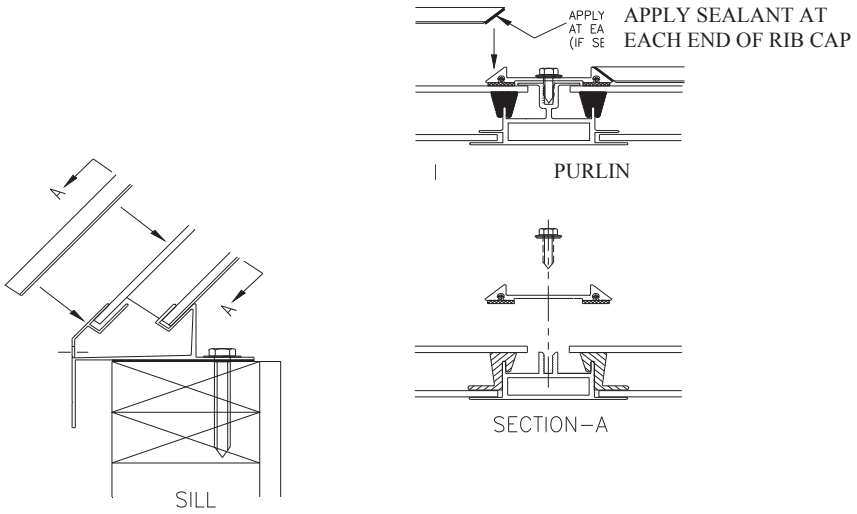
Step 12 –
Place rib T-gasket into rib & purlin caps. Start from one side & press the arrow head portion of T-gasket into gasket grooves on rib & purlin caps. See image below.



Step 13 –
If model has a lateral purlin, install purlin caps first. Apply sealant to ends of purlin caps before placing on purlin. Fasten purlin cap to purlin with ¼-14 x ¾" gasketed screws. See image below.



Step 14 –
If model has a lateral purlin, apply sealant to mitered end of each rib cap before butting rib cap to purlin cap & placing rib cap over rib. Fasten rib caps with ¼-14 x 1 ¼" gasketed screws.



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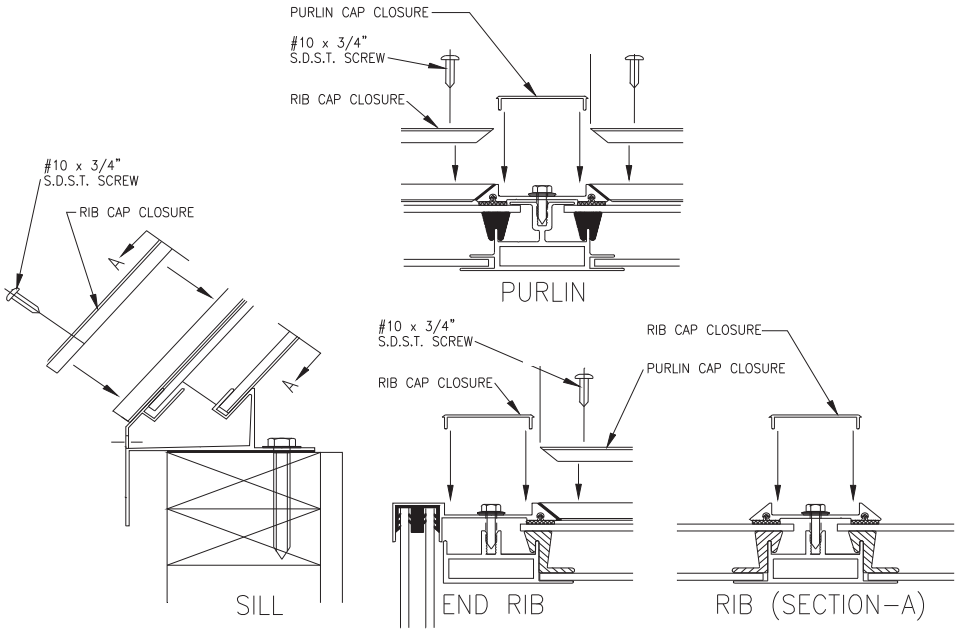
Step 15 –
Install rib & purlin closure caps as shown below. Secure each end of each rib & purlin closure cap with #10 x ¾" self-drill-self-tap screws. Cover all screw heads with sealant.



-THIS COMPLETES THE BV, BVV, or SBV INSTALLATION –
FOR MISC. DETAILS & OTHER INSTALLATION DETAILS; PLEASE REFER TO FILE & FIELD PACKAGE INCLUDED IN THE WHITE ENVELOPE

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